

Appl. No.: 10/605,978
Amdt. Dated: 5/14/2004
Reply to Office action of: 05/06/2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm transferring energy of impact of the sun visor assembly with a deploying side air curtain comprising:

a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a groove around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor assembly mounting bracket, and a pivot joint fitting having pivot pin bore therein at the opposite end of said first visor arm piece;

a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a pivot joint fitting having pivot pin bore engagingly complimentary to the pivot joint fitting of said first visor arm piece;

a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;

thereby allowing the visor arm structure to bend the sun visor assembly out of the way of the deploying side air curtain.

2. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.

3. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said first and said second arm pieces are comprised of the same material.

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4. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said first and said second arm pieces are comprised of different materials
5. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said pivot pin comprises steel.
6. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, said mating faces of the complimentary joint fittings have located thereon mating lugs and slots.
7. (original) The jointed two-piece visor arm structure as claimed in Claim 1 wherein, the mating faces of the complimentary joint fittings have located thereon saw-tooth like surfaces.
8. (original) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm transferring energy of impact of the sun visor assembly with a deploying side air curtain comprising:
 - a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a groove around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor assembly mounting bracket, and a tongue for a tongue and groove-type joint having pivot pin bore therein at the opposite end of said first visor arm piece;
 - a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a groove for a tongue and groove-type joint fitting having pivot pin bores engagingly complimentary to the tongue of said first visor arm piece;
 - a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;thereby allowing the visor arm structure to bend the sun visor assembly out of the way of the deploying side air curtain.

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9. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.

10. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said first and said second arm pieces are comprised of the same material.

11. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said first and said second arm pieces are comprised of different materials

12. (original) The jointed two-piece visor arm structure as claimed in Claim 8 wherein, said pivot pin comprises steel.

13. – 14. (withdrawn)

15. (original) A jointed two-piece visor arm structure of a sun visor assembly disposed in a passenger compartment, the visor arm transferring energy of impact of the sun visor assembly with a deploying side air curtain comprising:

- a first visor arm piece having a rod-like geometry and two ends with an elbow bend located along the length thereof in a desired location, a groove around the periphery of and near one end of said first visor arm piece for connecting the visor arm structure to a sun visor assembly mounting bracket, a pivot joint fitting having pivot pin bore therein at the opposite end of said first visor arm piece, and an electrical conducting assembly comprising;

- a pair of electrically conductive members positioned in spaced relationship by

- a plurality of spacing members, and

- a plurality rotational engagement detents;

- a second arm piece having a substantially straight rod-like geometry and two ends having located at one end a pivot joint fitting having pivot pin bore

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engagingly complimentary to the pivot joint fitting of said first visor arm piece, and an electrical conducting assembly comprising;

a pair of electrically conductive members positioned in spaced relationship by

a plurality of spacing members, and

a plurality rotational engagement detents;;

a pivot pin joining said complimentary joint fittings together through said bores of said first and said second arm pieces providing a moveable connection around the pivot pin;

thereby allowing the visor arm structure to provide power for a vanity mirror for example, and to bend the sun visor assembly out of the way of the deploying side air curtain.

16. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said structure comprises a material selected from the group consisting essentially of acrylonitrile butadiene styrene (ABS), nylon, glass filled nylon, polypropylene, acetal, preferably glass filled nylon, and most preferably 33% glass filled nylon.

17. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said first and said second arm pieces are comprised of the same material.

18. (original) The jointed two-piece visor arm structure as claimed in Claim 15 wherein, said pivot pin comprises steel.

19 – 20. (withdrawn)